



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Oil Trust Fund

Sample Collection Date(s)-- 05/17/10

Contact----- Rich Mayer (6PD-F)

Report Date-----05/25/10

Project #----- 10REG161

Work Order(s)-----1005017

Analyses included in this report:

Oil & Grease 1664

Report Narrative

Sample Management:

This report contains the oil and grease data from the TCEQ Laboratory for samples 1005017-01 and 1005017-02. Oil and grease analysis could not be performed on samples 1005017-03 through 1005017-08 and was not requested on samples 1005017-09 and 1005017-10.. The VOA, ABN, DRO/ORO, glycols, and total metals results were previously reported.

Oil & Grease (TCEQ):

The % RPD between the LCS/LCSD was 19.5% which fell outside the control limit of <18%. The %RPD between the matrix spike and matrix spike duplicate was 1.90% which is within control limits. Matrix QC was created from a TCEQ sample. Results should be considered estimated as subsampling was required to separate the liquid matrix from a brown colored semi-solid matrix. The subsampling presented no special problems.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund

Project Number: 10REG161

Data Management Coordinator: Christy Warren

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



Environmental Protection Agency
Region 6 Laboratory

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T004-0001-100517-SW-1	1005017-01	Phasic	5/17/10 12:00	05/18/10 17:20
T004-100517-FB-1	1005017-02	Liquid	5/17/10 12:00	05/18/10 17:20



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Results

from

**TCEQ Laboratory
5144 E. Sam Houston Prkwy N.
Houston, TX 77015**



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Miscellaneous Results
(TCEQ)

Batch: TCEQ

Matrix: Liquid

Laboratory ID	Station ID	Oil and Grease, HEM mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1005017-02	T004-100517-FB-1	<5	TQ04		05/21/10

Batch: TCEQ

Matrix: Phasic

Laboratory ID	Station ID	Oil and Grease, HEM mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1005017-01	T004-0001-100517-SW-1	<5	TQ05		05/21/10



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Kristle Warr
713-985-6600
US EPA/Western
Venice, LA

CHAIN OF CUSTODY RECORD
R06 Deep H2O Horizon Reporting
Lab EPA Houston Lab
Lab State: TX

No: T0001-100405-05/1710-0084
Lab Address: 10625 Fallstone Rd
Lab City: Houston
Lab Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative
	T004-0001-100517-SW-1	VOA	Surface Water	Grab	5/17/2010	12:00	12	HCl
	T004-0001-100517-SW-1	SVOC, PAH, DRO, ORO	Surface Water	Grab	5/17/2010	12:00	16	None
	T004-0001-100517-SW-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	3	HCl
	T004-0001-100517-SW-1	Metals	Surface Water	Grab	5/17/2010	12:00	3	HNO3
	T004-100517-FB-1	VOA	Surface Water	Grab	5/17/2010	12:00	4	HCl
	T004-100517-FB-1	SVOC, PAH, DRO, ORO	Surface Water	Grab	5/17/2010	12:00	5	None
	T004-100517-FB-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	1	HCl
	T004-100517-FB-1	Metals	Surface Water	Grab	5/17/2010	12:00	1	HNO3
	T004-100517-TB-1	VOA	Surface Water	Grab	5/17/2010	12:00	2	HCl

Special Instructions:

(Celer 2: 0.11/6/24/10 (T004-0001-100517-SW-1) X 3;
SVOC (PAH, DRO, ORO) (T004-0001-100517-SW-1) X 5

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
Cuiter 2	Theresa	5/18/10	Glenn	5/18/10	08:40						
	Glenn	5-18-10	Quadruplan	5/18/10	5:20						
		17/8									

Stamp 102



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Kristie Marr
713-985-6500
US EPA/Western
Venice, LA

CHAN OF CUSTODY RECORD
R06 Deep H2O Horizon Reporting
Lab: EPA Houston Lab
Lab, State: TX

No: T0001-100405-05/17/10-0084
Lab Address: 10625 Fallstone Rd
Lab, City: Houston
Lab, Zip: 77099

Lab #	Sample #	Analysis	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative
	T004-0001-100517-SW-1	VOA	Surface Water	Grab	5/17/2010	12:00	12	HCl
	T004-0001-100517-SW-1	SVOC, PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	16	None
	T004-0001-100517-SW-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	3	HCl
	T004-0001-100517-SW-1	Metals	Surface Water	Grab	5/17/2010	12:00	3	HNO3
	T004-100517-FB-1	VOA	Surface Water	Grab	5/17/2010	12:00	4	HCl
	T004-100517-FB-1	SVOC, PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	5	None
	T004-100517-FB-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	1	HCl
	T004-100517-FB-1	Metals	Surface Water	Grab	5/17/2010	12:00	1	HNO3
	T004-100517-TB-1	VOA	Surface Water	Grab	5/17/2010	12:00	2	HCl

Special Instructions:	Label 1: VOA (T004-0001-100517-SW-1) x 12, (T004-100517-FB-1) x 4, (T004-100517-TB-1) x 2; Metals (T004-0001-100517-SW-1) x 3, SVOC, PAH, DRO/ORO (T004-0001-100517-SW-1) x 9	SAMPLES TRANSFERRED FROM
		CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Collet 1	Tyler Hatcher	5/18/10 08:40	Chan	5/18/10 08:52							
	Chan	5-18-10 17:18	Christopher Chan	5/18/10 5:30							

Temp 10°C



Environmental Protection Agency Region 6 Laboratory

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Kristie Warr
713-985-6800
US EPA/Western
Venice, LA

CHAIN OF CUSTODY RECORD
R06 Deep H2O Horizon Reporting
Lab: EPA Houston Lab
Lab, State: TX

No: T0001-100405-05/17/10-0084
Lab Address: 10625 Fallstone Rd
Lab, City: Houston
Lab, Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected Time	Sample Time	Numb Cont	Preservative
	T004-0001-100517-SM-1	VOA	Surface Water	Grab	5/17/2010	12:00	12	HCl
	T004-0001-100517-SM-1	SVOC, PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	16	None
	T004-0001-100517-SM-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	3	HCl
	T004-0001-100517-SM-1	Metals	Surface Water	Grab	5/17/2010	12:00	3	HNO3
	T004-100517-FB-1	VOA	Surface Water	Grab	5/17/2010	12:00	4	HCl
	T004-100517-FB-1	SVOC, PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	5	None
	T004-100517-FB-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	1	HCl
	T004-100517-FB-1	Metals	Surface Water	Grab	5/17/2010	12:00	1	HNO3
	T004-100517-TB-1	VOA	Surface Water	Grab	5/17/2010	12:00	2	HCl

Collector 3: Metals (T004-100517-FB-1) X 1
Oil/Grease (T004-100517-FB-1) X 1
SVOC/PAH/DRO/ORO (T004-100517-FB-1) X 5

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Collector 3	<i>[Signature]</i>	5/18/10	<i>[Signature]</i>	5-18-10	08:20						
	<i>[Signature]</i>	5-18-10	Christopher	5/18/10	5:30						

Temp 0°C "not frozen"



Environmental Protection Agency Region 6 Laboratory

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CHAIN OF CUSTODY RECORD

Site # R060V
Contact Name Kristie Warr
Contact Phone 713-985-6636

No: T0033-100402-100515-001

Lab U.S. EPA Region 6 Laboratory
Lab Phone 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0001-100515-QD-1	TAL Metals and Mercury	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	SEE CHAIN	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	2-propanol, 1-(2-butoxy-1-methylethoxy)	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	Di(2-ethylhexyl) sodium sulfosuccinate	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	2-Butoxyethyl alcohol/ 2-Butoxyethanol	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	2-ethylhexyl alcohol and Propylene glycol	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	TPH GRO, TPH DRD and ORO	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	TCL VOCs and TCL SVOCs	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-QD-1	PAH, Oil & Grease, Total Organic Carbon	Oil Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	SEE CHAIN	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	2-propanol, 1-(2-butoxy-1-methylethoxy)	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	Di(2-ethylhexyl) sodium sulfosuccinate	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	TCL VOCs and TCL SVOCs	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	2-Butoxyethyl alcohol/ 2-Butoxyethanol	Sediment	Grab	5/15/2010	09:56	

Special Instructions:

Limited Quantity- Please contact Kristie Warr for Analytical Priority

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
Philly	Sam Hedd	5/14/10	Sam Hedd	5-14-10	11:30						
	Sam Hedd	5-14-10	Christy Warr	5/18/10	5:30						

Temp 10°C



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CHAIN OF CUSTODY RECORD

Site # R060V
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-100515-001

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0001-100515-SD-1	2-ethylhexyl alcohol and Propylene glycol	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	PAH, Oil & Grease, Total Organic Carbon	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	TPH GRO, TPH DRO and ORO	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	TAL Metals and Mercury	Sediment	Grab	5/15/2010	09:56	
	T003-0002-100515-MU-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	TCL VOCs and TCL SVOCs	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	TAL Metals and Mercury	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	TPH GRO, TPH DRO and ORO	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	Di(2-ethylhexyl) sodium sulfosuccinate	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	2-propanol, 1-(2-butoxy-1-methylethoxy)	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	SEE CHAIN	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	PAH, Oil & Grease, Total Organic Carbon	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	2-ethylhexyl alcohol and Propylene glycol	Mousse	Grab	5/15/2010	10:20	
	T003-0003-100515-MU-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Mousse	Grab	5/15/2010	09:25	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Delivery	Sam Clark	5/15/10	9/1/10	5-18-10	11:00						
	9/1/10	5-18-10	1718	Unsubstantiated	9/15/10	5:30					



Environmental Protection Agency Region 6 Laboratory

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CHAIN OF CUSTODY RECORD

Site # R06DW
Contact Name: Kristle Warr
Contact Phone: 713-985-6536

No: T0033-100402-100515-001

Lab U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0003-100515-MU-1	SEE CHAIN	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	Di(2-ethylhexyl) sodium sulfosuccinate	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	2-ethylhexyl alcohol and Propylene glycol	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	PAH, Oil & Grease, Total Organic Carbon	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	TPH GPO, TPH DPO and ORO	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	TAL Metals and Mercury	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	TCL VOCs and TCL SVOCs	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	2-propanol, 1-(2-ethoxy-1-methylethoxy)	Mousse	Grab	5/15/2010	09:25	
	T003-0004-100515-TAR-1	SEE CHAIN	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	TCL VOCs and TCL SVOCs	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	TAL Metals and Mercury	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	TPH GPO, TPH DPO and ORO	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	PAH, Oil & Grease, Total Organic Carbon	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	2-ethylhexyl alcohol and Propylene glycol	Tar	Grab	5/15/2010	09:44	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Relinquish	See chain	5/15/2010	See chain	5/15/2010	18:00						
	See chain	5/18/10	See chain	5/18/10	5:30						
	See chain	5/18/10	See chain	5/18/10	5:30						



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CHAIN OF CUSTODY RECORD
Site # RODDY
Contact Name Kristie Marr

No: T0033-100402-20100518-002

Lab: USEPA Lab - Las Vegas
Lab Phone: 702-798-2144

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T005-9527-100517-DP-1-LV	2-ethylhexyl alcohol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-LV	D12-ethylhexyl sodium sulfosuccinate	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-LV	Propylene glycol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-LV	2-Butoxyethyl alcohol / 2-Butoxyethanol	Dispersant	Grab	5/17/2010	17:25	None

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Drinking	Sam Mark	5/19/200	Spencer	5-18-10	1600						
	Spencer	5-18-10	1718 Christopher	Spencer	5-20						

Temp 1°C



Environmental Protection Agency
Region 6 Laboratory

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Notes and Definitions

TQ05	The %RPD between LCS/LCSD was 19.5% which fell outside the control limit of <18%. The %RPD between matrix spike and matrix spike duplicate was 1.90%, which is within control limits. Matrix QC was created from a TCEQ sample. A field duplicate (container B
TQ04	The %RPD between LCS/LCSD was 19.5% which fell outside the control limit of <18%. The %RPD between matrix spike and matrix spike duplicate was 1.90%, which is within control limits. Matrix QC was created from a TCEQ sample.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).



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The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.